

Appl. No. 10/645,112  
Amdt. Date: 12/31/04  
Reply to Office Action of July 1, 2004

**Amendments to the Claims:**

This listing of claims will replace all prior versions and listings of claims in the application:

1. (original) A keel centralizer, comprising:
  - a) a flat keel centralizer body having a central bore extending through said body;
  - b) said keel centralizer body including a circumferential flange member defining the perimeter thereof;
  - c) at least one opening extending through said keel centralizer body; and
  - d) a bearing ring mounted on said flange member.
2. (original) The keel centralizer of claim 1 wherein said bearing ring includes a radiused profile defining a peripheral contact surface of said keel centralizer.
3. (original) The keel centralizer of claim 2 wherein said bearing ring is fabricated of a non-metallic composite material having a modulus of elasticity less than  $30 \times 10^6$ .
4. (original) The keel centralizer of claim 3 wherein the modulus of elasticity of said composite material is  $0.5 \times 10^6$ .
5. (currently amended) The keel centralizer of claim 1 ~~wherein~~ including a keel sleeve mounted in a keel support frame, said keel sleeve being adapted for slidably receiving said keel centralizer body, and wherein said keel sleeve is clad with a corrosion resistant material.

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6. (currently amended) The keel centralizer of claim 1 ~~wherein~~ 2 including a keel sleeve mounted in a keel support frame, said keel sleeve being adapted for slidably receiving said keel centralizer body, said keel sleeve ~~includes~~ further including a wear resistant coating applied on an internal surface thereof.
7. (original) The keel centralizer of claim 6 wherein said keel sleeve is clad with a corrosion resistant material.
8. (original) The keel centralizer of claim 6 wherein said wear resistant coating contains ceramic particles.